

AMENDMENTS TO THE CLAIMS

Claim 1 (currently amended) A signal processing method comprising:

an adjusting step of causing a plurality of adjusting devices that are arranged in series at a plurality of adjusting points on each of a plurality of signal paths along which sound signals that are input are transmitted, to adjust at least one of sound volume and sound quality of a corresponding one of the input sound signals at the plurality of adjusting points on each of the plurality of signal paths along which the corresponding input signal is transmitted;

a synthesizing step of causing a bus device that is connected to an output side of the plurality of signal paths, to synthesize the input sound signals that have been adjusted by the adjusting devices on the plurality of signal paths and outputted from the plurality of signal paths;

a condition determining step of determining whether the corresponding input sound signal satisfies a condition that a level of the corresponding input sound signal exceeds a predetermined value at each of a plurality of metering points on each of the plurality of signal paths along which the corresponding input sound signal is transmitted, wherein each of the adjusting points ~~are~~is arranged in between two adjacent ones of the plurality of metering points; and

~~an alarm display step of causing an alarm display device that is arranged on each of the plurality of signal paths to display an alarm when said condition determining step determines that the input sound signal satisfies the condition at least one of the plurality of metering points on each of said plurality of signal paths~~

a designating step of designating one of the plurality of metering points based on a designation by a user;

a display step of causing a display device to display a current state of the input sound signals being transmitted along respective ones of the signal paths, the display device having a level display section, a first alarm display section, and a second alarm display section, said level display section, said first alarm display section, and said second alarm display section being provided for each of said plurality of signal paths;

a level displaying step of causing the level display section to display the level of the input sound signal at the designated metering point of the corresponding signal path;

a first alarm displaying step of causing the first alarm display section to display an alarm when the level of the input sound signal exceeds the predetermined value at any one of the metering points of the corresponding signal path; and

a second alarm displaying step of causing the second alarm display section to display an alarm when the level of the input sound signal exceeds the predetermined value at the designated metering point of the corresponding signal path.

Claim 2 (canceled)

Claim 3 (previously presented) A signal processing method as claimed in claim 1, wherein the plurality of signal paths transmit the input sound signals for a plurality of channels, respectively, and said plurality of metering points are provided on the signal path of each of the plurality of channels along which a corresponding one of the input sound signals is transmitted.

Claim 4 (canceled)

Claim 5 (currently amended) A program executed by a computer, comprising:

an adjusting module for causing a plurality of adjusting devices that are arranged in series at a plurality of adjusting points on each of a plurality of signal paths along which sound signals that are input are transmitted, to adjust at least one of sound volume and sound quality of a corresponding one of the input sound signals at the plurality of adjusting points on each of the plurality of signal paths along which the corresponding input signal is transmitted;

a synthesizing module for causing a bus device that is connected to an output side of the plurality of signal paths, to synthesize the input sound signals that have been adjusted by the adjusting devices on the plurality of signal paths and outputted from the plurality of signal paths;

a condition determining module for determining whether the corresponding input sound signal satisfies a condition that a level of the corresponding input sound signal exceeds a predetermined value at each of a plurality of metering points on each of the plurality of signal paths along which the corresponding input sound signal is transmitted, wherein each of the adjusting points ~~are~~ is arranged in between two adjacent ones of the plurality of metering points; and

~~an alarm display module for causing an alarm display device that is arranged on each of the plurality of signal paths to display an alarm when said condition determining module determines that the input sound signal satisfies the condition at least one of the plurality of metering points on each of said plurality of signal paths~~

a designating module for designating one of the plurality of metering points based on a designation by a user;

a display module for causing a display device to display a current state of the input sound signals being transmitted along respective ones of the signal paths, the display device having a level

display section, a first alarm display section, and a second alarm display section, said level display section, said first alarm display section, and said second alarm display section being provided for each of said plurality of signal paths;

a level displaying module for causing the level display section to display the level of the input sound signal at the designated metering point of the corresponding signal path;

a first alarm displaying module for causing the first alarm display section to display an alarm when the level of the input sound signal exceeds the predetermined value at any one of the metering points of the corresponding signal path; and

a second alarm displaying module for causing the second alarm display section to display an alarm when the level of the input sound signal exceeds the predetermined value at the designated metering point of the corresponding signal path.

Claim 6 (currently amended) A signal processing apparatus comprising:

a plurality of signal paths along which sound signals that are input are transmitted;

a plurality of adjusting devices that are arranged in series at a plurality of adjusting points on each of said plurality of signal paths, for adjusting at least one of sound volume and sound quality of a corresponding one of the input sound signals at the plurality of adjusting points on each of said plurality of signal paths along which the corresponding input signal is transmitted;

a bus device that synthesizes the input sound signals that have been adjusted by said adjusting devices on said plurality of signal paths and outputted from said plurality of signal paths;

a condition determining device that is arranged on each of said plurality of signal paths, for determining whether the corresponding input sound signal satisfies a condition that a level of the corresponding input sound signal exceeds a predetermined value at each of a plurality of metering points on each of said plurality of signal paths along which the corresponding input sound signal is transmitted, wherein each of the adjusting points ~~are~~ is arranged in between two adjacent ones of the plurality of metering points; ~~and~~

~~an alarm display device that is arranged on each of said plurality of signal paths, for displaying an alarm when said condition determining device determines that the input sound signal satisfies the condition at least one of the plurality of metering points on each of said plurality of signal paths~~

a designating device that designates one of the plurality of metering points based on a designation by a user; and

a display device that displays a current state of the input sound signals being transmitted along respective ones of the signal paths, said display device having a level display section, a first

alarm display section, and a second alarm display section, said level display section, said first alarm display section, and said second alarm display section being provided for each of said plurality of signal paths, wherein:

said level display section displays the level of the input sound signal at the designated metering point of the corresponding signal path;

said first alarm display section displays an alarm when the level of the input sound signal exceeds the predetermined value at any one of the metering points of the corresponding signal path;
and

said second alarm display section displays an alarm when the level of the input sound signal exceeds the predetermined value at the designated metering point of the corresponding signal path.

Claims 7 and 8 (canceled)